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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/835,699

DATE: 09/06/2001  
TIME: 15:00:12

Input Set : A:\19258CC.txt  
Output Set: N:\CRF3\09062001\I835699.raw

## SEQUENCE LISTING

**ENTERED**

3 (1) GENERAL INFORMATION:  
5 (i) APPLICANT: Armstrong, Marcy E.  
6 Keys, Robert D.  
7 Lewis, John A.  
8 Liu, Margaret A.  
9 McClements, William L.  
11 (ii) TITLE OF INVENTION: A POLYNUCLEOTIDE HERPES VIRUS  
12 VACCINE  
14 (iii) NUMBER OF SEQUENCES: 15  
16 (iv) CORRESPONDENCE ADDRESS:  
17 (A) ADDRESSEE: Merck & Co., Inc.  
18 (B) STREET: P.O. Box 2000, 126 E. Lincoln Ave.  
19 (C) CITY: Rahway  
20 (D) STATE: NJ  
21 (E) COUNTRY: USA  
22 (F) ZIP: 07065-0907  
24 (v) COMPUTER READABLE FORM:  
25 (A) MEDIUM TYPE: Diskette  
26 (B) COMPUTER: IBM Compatible  
27 (C) OPERATING SYSTEM: Windows  
28 (D) SOFTWARE: FastSEQ for Windows Version 2.0b  
30 (vi) CURRENT APPLICATION DATA:  
C--> 31 (A) APPLICATION NUMBER: US/09/835,699  
C--> 32 (B) FILING DATE: 17-Aug-2001  
33 (C) CLASSIFICATION:  
39 (vii) PRIOR APPLICATION DATA:  
36 (A) APPLICATION NUMBER: PCT/US97/17262  
37 (B) FILING DATE: 26-SEP-1997  
40 (A) APPLICATION NUMBER: US 08/720,758  
41 (B) FILING DATE: 01-OCT-1996  
44 (viii) ATTORNEY/AGENT INFORMATION:  
45 (A) NAME: Hand, J. Mark  
46 (B) REGISTRATION NUMBER: 36,545  
47 (C) REFERENCE/DOCKET NUMBER: 19258CC  
49 (ix) TELECOMMUNICATION INFORMATION:  
50 (A) TELEPHONE: 732-594-3905  
51 (B) TELEFAX: 732-594-4720  
52 (C) TELEX:  
55 (2) INFORMATION FOR SEQ ID NO: 1:  
57 (i) SEQUENCE CHARACTERISTICS:  
58 (A) LENGTH: 23 base pairs  
59 (B) TYPE: nucleic acid  
60 (C) STRANDEDNESS: single  
61 (D) TOPOLOGY: linear  
63 (ii) MOLECULE TYPE: Other  
64 (ix) FEATURE:

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70      (A) NAME/KEY:
67      (B) LOCATION: 1...23
68      (D) OTHER INFORMATION: nucleic acid
74      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:                23
76      CTATATAAGC AGAGCTCGTT TAG
78      (2) INFORMATION FOR SEQ ID NO: 2:
80      (i) SEQUENCE CHARACTERISTICS:
81          (A) LENGTH: 30 base pairs
82          (B) TYPE: nucleic acid
83          (C) STRANDEDNESS: single
84          (D) TOPOLOGY: linear
86      (ii) MOLECULE TYPE: Other
87      (ix) FEATURE:
93          (A) NAME/KEY:
90          (B) LOCATION: 1...30
91          (D) OTHER INFORMATION: nucleic acid
97      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:                30
99      GTAGCAAAGA TCTAAGGACG GTGACTGCAG
101     (2) INFORMATION FOR SEQ ID NO: 3:
103     (i) SEQUENCE CHARACTERISTICS:
104         (A) LENGTH: 38 base pairs
105         (B) TYPE: nucleic acid
106         (C) STRANDEDNESS: single
107         (D) TOPOLOGY: linear
109     (ii) MOLECULE TYPE: Other
110     (ix) FEATURE:
116         (A) NAME/KEY:
113         (B) LOCATION: 1...38
114         (D) OTHER INFORMATION: nucleic acid
120     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:                38
122     GTATGTGTCT GAAAATGAGC GTGGAGATTG GGCTCGCA
124     (2) INFORMATION FOR SEQ ID NO: 4:
126     (i) SEQUENCE CHARACTERISTICS:
127         (A) LENGTH: 39 base pairs
128         (B) TYPE: nucleic acid
129         (C) STRANDEDNESS: single
130         (D) TOPOLOGY: linear
132     (ii) MOLECULE TYPE: Other
133     (ix) FEATURE:
139         (A) NAME/KEY:
136         (B) LOCATION: 1...39
137         (D) OTHER INFORMATION: nucleic acid
143     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:                39
145     GTGCGAGCCC AATCTCCACG CTCATTTTCA GACACATAC
147     (2) INFORMATION FOR SEQ ID NO: 5:
149     (i) SEQUENCE CHARACTERISTICS:
150         (A) LENGTH: 78 base pairs
151         (B) TYPE: nucleic acid
152         (C) STRANDEDNESS: single

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153         (D) TOPOLOGY: linear
155     (ii) MOLECULE TYPE: Other
156     (ix) FEATURE:
162         (A) NAME/KEY:
159         (B) LOCATION: 1...78
160         (D) OTHER INFORMATION: nucleic acid
166     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
168 GATCACCATG GATGCAATGA AGAGAGGGCT CTGCTGTGTG CTGCTGCTGT GTGGAGCAGT      60
169 CTTTCGTTTCG CCCAGCGA                                           78
171 (2) INFORMATION FOR SEQ ID NO: 6:
173     (i) SEQUENCE CHARACTERISTICS:
174         (A) LENGTH: 78 base pairs
175         (B) TYPE: nucleic acid
176         (C) STRANDEDNESS: single
177         (D) TOPOLOGY: linear
179     (ii) MOLECULE TYPE: Other
180     (ix) FEATURE:
186         (A) NAME/KEY:
183         (B) LOCATION: 1...78
184         (D) OTHER INFORMATION: nucleic acid
190     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
192 GATCTCGCTG GCGGAAACGA AGACTGCTCC ACACAGCAGC AGCACACAGC AGAGCCCTCT      60
193 CTTTCATTGCA TCCATGGT                                           78
195 (2) INFORMATION FOR SEQ ID NO: 7:
197     (i) SEQUENCE CHARACTERISTICS:
198         (A) LENGTH: 27 base pairs
199         (B) TYPE: nucleic acid
200         (C) STRANDEDNESS: single
201         (D) TOPOLOGY: linear
203     (ii) MOLECULE TYPE: Other
204     (ix) FEATURE:
210         (A) NAME/KEY:
207         (B) LOCATION: 1...27
208         (D) OTHER INFORMATION: nucleic acid
214     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
216 GTACCTCATG AGCCACATAA TACCATG                                           27
218 (2) INFORMATION FOR SEQ ID NO: 8:
220     (i) SEQUENCE CHARACTERISTICS:
221         (A) LENGTH: 40 base pairs
222         (B) TYPE: nucleic acid
223         (C) STRANDEDNESS: single
224         (D) TOPOLOGY: linear
226     (ii) MOLECULE TYPE: Other
227     (ix) FEATURE:
233         (A) NAME/KEY:
230         (B) LOCATION: 1...40
231         (D) OTHER INFORMATION: nucleic acid
237     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
239 GGTACAAGAT CTACCATGGC TTGCAATTGT CAGTTGATGC      40

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241 (2) INFORMATION FOR SEQ ID NO: 9:
243   (i) SEQUENCE CHARACTERISTICS:
244       (A) LENGTH: 42 base pairs
245       (B) TYPE: nucleic acid
246       (C) STRANDEDNESS: single
247       (D) TOPOLOGY: linear
249   (ii) MOLECULE TYPE: Other
250   (ix) FEATURE:
251       (A) NAME/KEY:
252       (B) LOCATION: 1...42
253       (D) OTHER INFORMATION: nucleic acid
254   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
255   CCACATAGAT CTCCATGGGA ACTAAAGGAA GACGGTCTGT TC
256                                     42
264 (2) INFORMATION FOR SEQ ID NO: 10:
266   (i) SEQUENCE CHARACTERISTICS:
267       (A) LENGTH: 33 base pairs
268       (B) TYPE: nucleic acid
269       (C) STRANDEDNESS: single
270       (D) TOPOLOGY: linear
272   (ii) MOLECULE TYPE: Other
273   (ix) FEATURE:
274       (A) NAME/KEY:
275       (B) LOCATION: 1...33
276       (D) OTHER INFORMATION: nucleic acid
277   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
278   GGTACAAATA TTGGCTATTG GCCATTGCAT ACG
279                                     33
287 (2) INFORMATION FOR SEQ ID NO: 11:
289   (i) SEQUENCE CHARACTERISTICS:
290       (A) LENGTH: 36 base pairs
291       (B) TYPE: nucleic acid
292       (C) STRANDEDNESS: single
293       (D) TOPOLOGY: linear
295   (ii) MOLECULE TYPE: Other
296   (ix) FEATURE:
297       (A) NAME/KEY:
298       (B) LOCATION: 1...36
299       (D) OTHER INFORMATION: nucleic acid
300   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
301   CCACATCTCG AGGAACCGGG TCAATTCTTC AGCACC
302                                     36
310 (2) INFORMATION FOR SEQ ID NO: 12:
312   (i) SEQUENCE CHARACTERISTICS:
313       (A) LENGTH: 38 base pairs
314       (B) TYPE: nucleic acid
315       (C) STRANDEDNESS: single
316       (D) TOPOLOGY: linear
318   (ii) MOLECULE TYPE: Other
319   (ix) FEATURE:
320       (A) NAME/KEY:
321       (B) LOCATION: 1...38

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323         (D) OTHER INFORMATION: nucleic acid
329     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
331 GGTACAGATA TCGGAAAGCC ACGTTGTGTC TCAAAATC
333 (2) INFORMATION FOR SEQ ID NO: 13:
335     (i) SEQUENCE CHARACTERISTICS:
336         (A) LENGTH: 37 base pairs
337         (B) TYPE: nucleic acid
338         (C) STRANDEDNESS: single
339         (D) TOPOLOGY: linear
341     (ii) MOLECULE TYPE: Other
342     (ix) FEATURE:
343         (A) NAME/KEY:
344         (B) LOCATION: 1...37
345         (D) OTHER INFORMATION: nucleic acid
352     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
354 CCACATGGAT CCGTAATGCT CTGCCAGTGT TACAACC
356 (2) INFORMATION FOR SEQ ID NO: 14:
358     (i) SEQUENCE CHARACTERISTICS:
359         (A) LENGTH: 39 base pairs
360         (B) TYPE: nucleic acid
361         (C) STRANDEDNESS: single
362         (D) TOPOLOGY: linear
364     (ii) MOLECULE TYPE: Other
365     (ix) FEATURE:
366         (A) NAME/KEY:
367         (B) LOCATION: 1...39
368         (D) OTHER INFORMATION: nucleic acid
375     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
377 GGTACATGAT CACGTAGAAA AGATCAAAGG ATCTTCTTG
379 (2) INFORMATION FOR SEQ ID NO: 15:
381     (i) SEQUENCE CHARACTERISTICS:
382         (A) LENGTH: 35 base pairs
383         (B) TYPE: nucleic acid
384         (C) STRANDEDNESS: single
385         (D) TOPOLOGY: linear
387     (ii) MOLECULE TYPE: Other
388     (ix) FEATURE:
389         (A) NAME/KEY:
390         (B) LOCATION: 1...35
391         (D) OTHER INFORMATION: nucleic acid
398     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
400 CCACATGTCG ACCCGTAAAA AGGCCGCGTT GCTGG

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VERIFICATION SUMMARY

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L:31 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]